

HIGHLY SLIP-OFF RESISTANT WOVEN FABRIC FOR AIR BAG

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Inventor: NISHIMURA KUNIO; others: 02
Applicant: TEIJIN LTD
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- **international:** B60R21/16; D03D1/02
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Priority number(s):

Abstract of JP8002359

PURPOSE: To improve the bursting strength of an air bag so as to provide the air bag with high safety by providing woven fabric for the air bag with excellent slip-off resistance, and preventing the texture deformation of the sewn part of the air bag caused by stress concentration.

CONSTITUTION: In this woven fabric for an air bag, the cover factors of warp and weft are both 900-1,400, the adhesion quantity of residual oil on the surface of the woven fabric is 0.001-0.1wt.%, and slip-off resistance by a pin hooking method is 20-100kg/5cm in both warp and weft.

Unc ated web f r airbags.**Patent number:** EP0416483**Publication date:** 1991-03-13**Inventor:** KRUMMHEUER WOLF DR (DE); GRAEFE HANS ALBERT (DE); SIEJAK VOLKER (DE)**Applicant:** AKZO NV (NL)**Classification:**

- international: B60R21/16; D03D1/02

- european: D03D1/02; B60R21/16B4

Application number: EP19900116799 19900901**Priority number(s):** DE19893929807 19890907; DE19893929810 19890907; DE19904023564 19900725**Also published as:**

US5093163 (A1)

JP3137245 (A)

JP2000027048 (A)

EP0416483 (B1)

Cited documents:

CA974745

EP0314867

US3842583

EP0286246

Abstract not available for EP0416483

Abstract of correspondent: **US5093163**

A heat shrinkable uncoated fabric of synthetic filament yarn for the production of airbags is produced with an at least substantially symmetric fabric construction. A yarn with a titre of 300-400 dtex is used.

Meth d f r the manufacture of uncoated technical w ven fabrics with l w air permeability.

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Applicant: AKZO NV (NL)
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Also published as:

-  EP0436950 (A3)
-  EP0436950 (B2)
-  EP0436950 (B1)

Cited documents:

-  US3842583
-  US4590121
-  DE3705345
-  US4559975

Abstract of EP0436950

A method for the manufacture of uncoated technical woven fabrics in a dense fabric construction with low air permeability, the woven fabric consisting of polyamide filament yarns having a hot air shrinkage of 6 - 15 % (measured at 160 DEG C) and having an at least essentially symmetrical fabric construction. To set the required air permeability, the woven fabric is subjected to treatment in an aqueous bath at 60 - 140 DEG C.